

46°53'13" NW
(MC CLURE CREEK)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ROUGH DRAW QUADRANGLE
MONTANA—ROSEBUD CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

OPEN FILE REPORT 79-017
PLATE 21 OF 22

OPEN-FILE REPORT
This report has not been edited for conformity with
U.S. Geological Survey editorial standards or
stratigraphic nomenclature.

EXPLANATION



NON-FEDERAL COAL LAND—Land for which the
Federal Government does not own the coal rights.



STRIPPING-LIMIT LINE—Boundary for surface mining
of the coal bed (in this quadrangle, the 500-foot
overburden isopach). Arrows point toward the area
suitable for surface mining. Recovery factor of 85
percent within that area in this quadrangle.



BOUNDARY OF COAL 5 FEET OR MORE THICK—
Drawn along the outcrop of coal bed and/or the inferred
contact between burned and unburned coal, and/or the
5-foot coal isopach, and/or an insufficient data line.
Arrows point toward area of coal 5 feet or more thick.

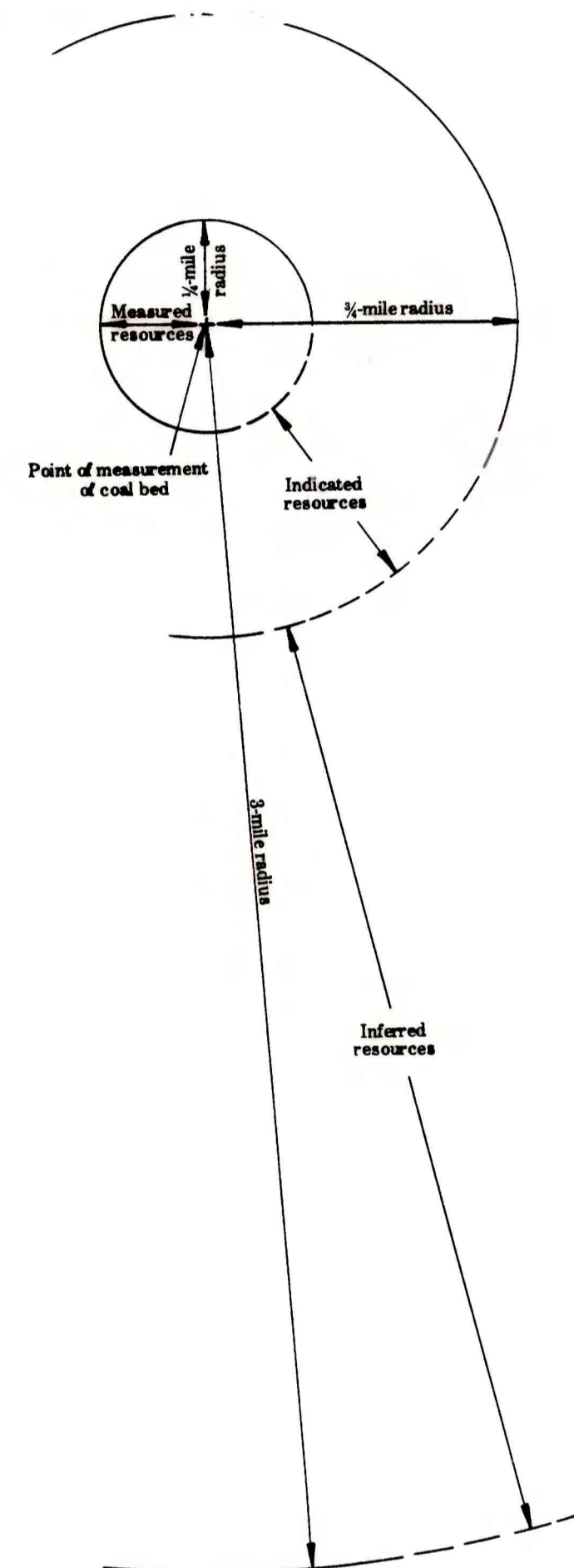


DIAGRAM SHOWING COMPONENT AREAS OF
IDENTIFIED RESOURCES—Shows arcuate
boundary lines enclosing areas of measured, indicated,
and inferred coal resources. Boundaries of areas are
dashed where projected from an adjacent quadrangle.
Areas of measured, indicated, or inferred resources
may be present without their outer boundaries being
shown. Coal resources beyond the inferred category are
hypothetical resources.

RB	R(85%)	
—	—	(Measured resources)
—	—	(Indicated resources)
—	—	(Inferred resources)
0.06 HYP	—	(Hypothetical resources)

IDENTIFIED AND HYPOTHETICAL COAL
RESOURCES—Showing totals for Reserve Base (RB),
Reserves (R), and Hypothetical (HYP) resources, in
millions of short tons, for each section or part(s) of a
section of Federal coal land within the stripping-limit
line. Dash indicates no resources in that category.
Reserve Base (RB) X the Recovery Factor (85 percent) =
Reserves (R).

RB		
—	—	(Measured resources)
—	—	(Indicated resources)
—	—	(Inferred resources)
0.65 HYP	—	(Hypothetical resources)

IDENTIFIED AND HYPOTHETICAL COAL
RESOURCES—Showing totals for Reserve Base (RB)
and Hypothetical (HYP) resources, in millions of short
tons, for each section or part(s) of a section of Federal
coal land outside the stripping-limit line. Dash indicates
no resources in that category.

To convert short tons to metric tons, multiply short tons by
0.9072.

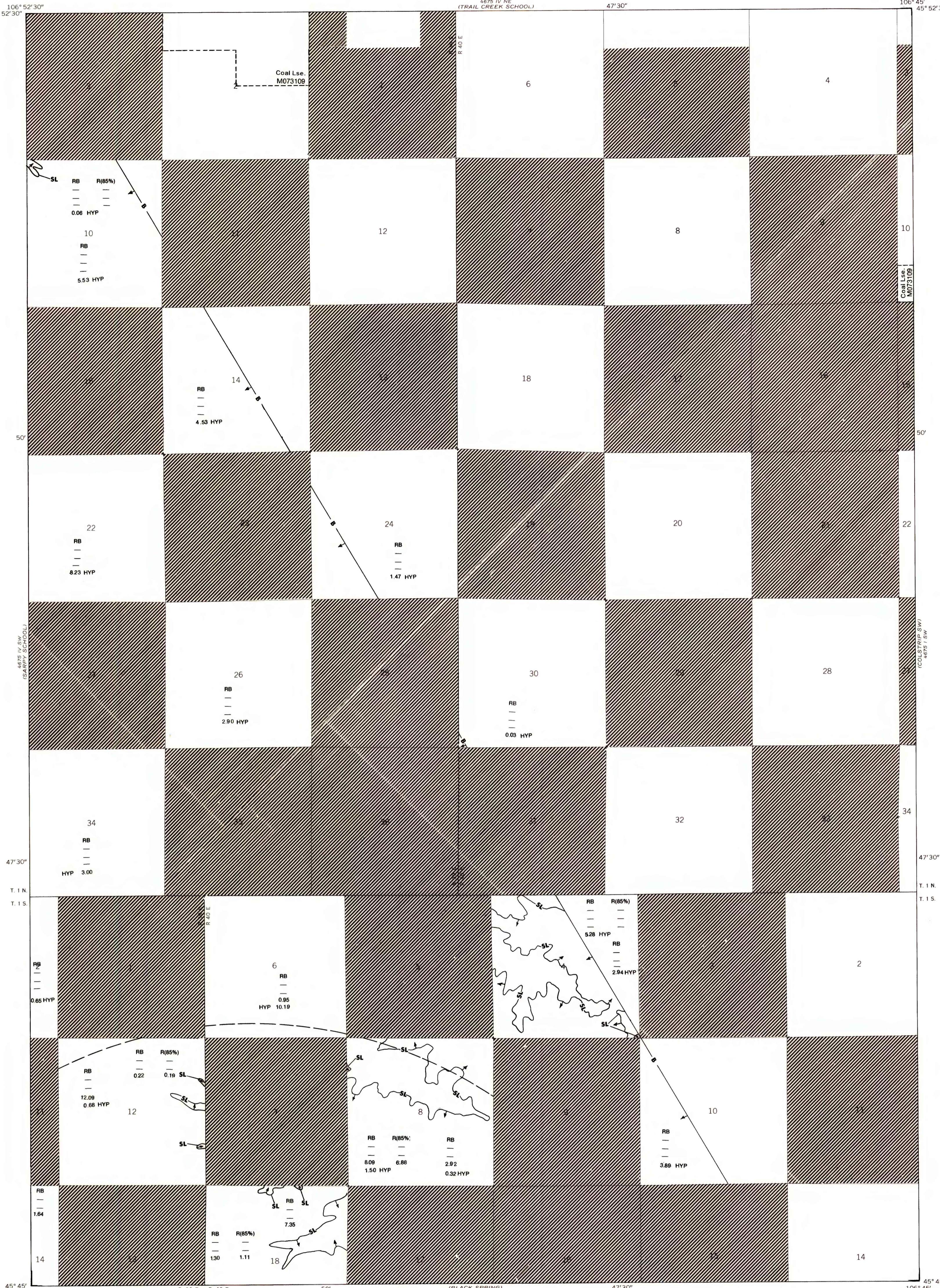
To convert feet to meters, multiply feet by 0.3048.

To convert miles to kilometers, multiply miles by 1.61.

NOTE: Recovery factors have not been established for
underground development of coal in this quadrangle.
Therefore, Reserves (R) were not calculated for the coal
bed in areas outside the stripping-limit line.

PLATE 21

AREAL DISTRIBUTION AND TONNAGE
MAP OF IDENTIFIED AND
HYPOTHETICAL RESOURCES OF
THE ROBINSON COAL BED



46°53'13" NW
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GN
1°18' 23" W
15° 27' 5" N
UTM GRID AND 1971 MAGNETIC NORTH
DECLINATION AT CENTER OF SHEET

1 0 1000 2000 3000 4000 5000 6000 7000 FEET
1 0 5 1 KILOMETER
SCALE 1:24,000

QUADRANGLE LOCATION
MONTANA

COAL RESOURCE OCCURRENCE MAP OF THE ROUGH DRAW
QUADRANGLE, ROSEBUD COUNTY, MONTANA
BY
COLORADO SCHOOL OF MINES RESEARCH INSTITUTE
1979

Compiled in 1977

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